723-840

Inventor:

Residence: (city)

Post Office Address:

(Zip Code)



Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) PENSON DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: A METHOD AND APPARATUS FOR OBTAINING A SCALAR VALUE DIRECTLY FROM A VECTOR REGISTER the specification of which (check applicable box(s)): is attached hereto was filed on April 7, 2000 as U.S. Application Serial No. 09/545,182 (Atty Dkt. No. 723 was filed as PCT International application No. on and (if applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application: Priority Foreign Application(s): **Application Number** Country Day/Month/Year Filed I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. **Application Number** Date/Month/Year Filed I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application: Prior U.S./PCT Application(s): Status: patented FEB 2 6 2002 Application Serial No. Day/Month/Year Filed pending, abandoned Technology Center 2100
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097. Lalso authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Manderhye on behalf of the owner(s). 1. Inventor's Signature: Inventor: Yu/Chu/ig C LIAO (tirst) ΜI (last) (citizenship) Residence: (city) Austin (state/country) Post Office Address: 10707 Lochness Cove, Austin, Texas (Zip Code) 78750 6/25/2001 Inventor's Signature: 2. Date:

SANDON

(last)

(state/country) Vermont

FOR ADDITIONAL INVENTORS, check box 🛛 and attach sheet with same information and signature and date for each.

Α.

MI

Peter

(first)

4 Lang Drive, Essex Junction, Vermont

Essex Junction

05452

USA

(citizenship)

723-840 Serial No. 09/545,182

Nixon & Vanderhye P.C. (10/99 omestic Non-Assigned/Foreign)
Page 2

3.	Inventor's Signature:	•		Date:		
	Inventor:	Howard	<u> </u>	CHENG	USA	
		(first)	MI	(last)	(citizenship)	
	Residence: (city)	Sammamish		(state/country) Washington	`	
	Post Office Address:	2005 212th. PL NE, Redmond, Washington		<u> </u>		
	(Zip Code)	98053				
4.	Inventor's Signature:			Date:		
	Inventor:	Timothy	J	VAN HOOK	USA	
		(first)	MI	(last)	(citizenship)	
,	Residence: (city)	Atherton		(state/country) California	, , , , , ,	
	Post Office Address:	224 Oak Grove Ave., Athe	erton, California			
	(Zip Code)	94027				
5.	Inventor's Signature:	•		Date:		
	Inventor:					
		(first)	MI	(last)	(citizenship)	
	Residence: (city)			(state/country)		
	Post Office Address:	1 1				
	(Zip Code)					
6.	Inventor's Signature:			Date:		
•	Inventor:					
	mivolitor.	(first)	MI	(last)	(citizenship)	
	Residence: (city)			(state/country)		
	Post Office Address:					
	(Zip Code)					

FOR ADDITIONAL INVENTORS, check box $\ \square$ and attach sheet with same information and signature and date for each.

723-840

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) ORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

subjec	t matter which is claimed a	nd for which a patent is so	ught on the invention entitle AINING A SCALAR VALUE	ed:	•		REGISTER
the sp	ecification of which (check			011120121		<u> </u>	120101211
	is attached hereto						
\boxtimes	was filed on	April 7, 2000	as U.S. Application	Serial No.	09/545,1	182	(Atty Dkt. No. 723-
	was filed as PCT Internation	nal application No			00		840)
	applicable to U.S. or PCT		on		on		
		.,,,		* *			
amend 37 C.F below priority Priority	R. 1.56. I hereby claim fo	acknowledge the duty to di- reign priority benefits unde low any foreign application	sclose information which is or 35 U.S.C. 119/365 of any or for patent or inventor's cer	material to t foreign appl	he patenta ication(s)	ability of the	ns, as amended by any is application in accordance with or inventor's certificate listed that of the application on which Day/Month/Year Filed
	by claim the benefit under 3 cation Number	5 U.S.C. §119(e) of any U	nited States provisional app Date/Month/Year File		sted below	v.	
subject U.S.C.	t matter of each of the clain	ns of this application is not ty to disclose material info	disclosed in such prior apprmation as defined in 37 C.	lications in t F.R. 1.56 wh	he manne	r provided red betwee	pove or below and, insofar as the by the first paragraph of 35 on the filing date of the prior
Prior (U.S./PCT Application(s):			• • •		•	Status: patented
	cation Serial No.		Day/Month/Year Filed	i FI	EB 2 6	2002	pending, abandoned
be true imprise applica applica 8th Flo attorne in the Hosme Stanle Jr. 293 34776 35329 names	e; and further that these sta conment, or both, under Sec ation or any patent issued the cor, Arlington, VA 22201-4 eys thereof (of the same ad Patent and Trademark Officer, 30184; Robert W. Faris, by C. Spooner, 27393; Leon 366; Mary J. Wilson, 32955; CUpdeep S. Gill, 37334; Mir County J. Wilson, 32515; Fundae, 37515;	tements were made with the tion 1001 of Title 18 of the nereon. And on behalf of the tempereon. And on behalf of the tempereon of tempereon of the tempereon of the tempereon of the tempereon of tempereon of the tempereon of the tempereon of the tempereon of tempereon of the tempereon of te	ne knowledge that willful fals. United States Code and the owner(s) hereof, I hereb 703) 816-4000 (to whom all ectively owner's/owners' att of with the resulting patent: 22770; Mark E. Nusbaum, Jane M. Byers, 33363; Jeffr, Alan M. Kagen, 36178; Rolald L. Jackson, 41090; Michis Comuntzis, 31097. I all olely on instructions directly the on behalf of the owner(s) C. Mil	at all statements se statements such willfuller appoint MI communit orneys to proceed a such	ents made to and the ul false sta XON & VAcations are osecute thon, 25640; and J. Kee, 30481; Jun, 29834; er, 32331; e Nixon & ated from the control of the	like so ma tements m ANDERHY re to be din its applicat ; Arthur R. enan, 3210 ohn R. Las B. J. Sado ; Frank P. I Vanderhye the person	ation and belief are believed to ade are punishable by fine or nay jeopardize the validity of the E.P.C., 1100 North Glebe Rd., rected), and the following ition and to transact all business Crawford, 25327; James T. 106; Bryan H. Davidson, 30251; stova, 33149; H. Warren Burnan off, 36663; James D. Berquist, Presta. 19828; Joseph S. Prest
_	, , ,	. 3, 30					
2.	Inventor's Signature:	Det				_ Date:	
	Inventor:	Peter (first)	A.		ANDON ((aat)		USA (citizanabia)
	Residence: (city)	(IIrst) Essex Junction	MI (s	tate/country	(last)) Vermo	ont	(citizenship)
	Post Office Address:	4 Lang Drive, Essex Jun	nction. Vermont	ill to country	, vening	OIIL	
	(Zip Code)	05452					

723-84 Seria	10 I No. 09/545,182		1 11			Vanderhye P.C. (10/99 Non-Assigned/Foreign) Page 2
3.	Inventor's Signature:	. ///			Date:	1/3/2002
	Inventor:	Howard		CHENG	_	USA
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Sammamish '		(state/country) <u>Washin</u>	gton	
	Post Office Address:	2005 212th. PL NE, Redmo	nd, Washington			
	(Zip Code)	98053		. -		
4.	Inventor's Signature:				Date:	
	Inventor:	Timothy	J	VAN HOOK		USA
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Atherton		(state/country)Californ	ia	` ',
	Post Office Address:	224 Oak Grove Ave., Ather	ton, California			
	(Zip Code)	94027				
5.	Inventor's Signature:				Date:	
	Inventor:				_	
		(first)	MI	(last)		(citizenship)
	Residence: (city)			(state/country)		
	Post Office Address:					
	(Zip Code)					
6.	Inventor's Signature:				Date:	
J.	Inventor:					
		(first)	MI	(last)		(citizenship)
	Residence: (city)			(state/country)		
	Post Office Address:	, ,		_ `		
	(Zip Code)					

FOR ADDITIONAL INVENTORS, check box $\ \square$ and attach sheet with same information and signature and date for each.

723-840

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) PARTICLE STATES PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

is	A METHOD AI ification of which (chec	k applicable box(s)).			
	attached hereto	K applicable box(b)).			
⊠ wa	as filed on	April 7, 2000	as U.S. Application Serial No.	09/545,182	(Atty Dkt. No. 723- 840)
□ wa	as filed as PCT Internat	ional application No.		on	<u> </u>
		r application) was amended of	on		
amendm 37 C.F.F below ar priority is Priority f	nent referred to above. R. 1.56. I hereby claim that have also identified the	I acknowledge the duty to dis foreign priority benefits under	nts of the above identified specificatio close information which is material to 35 U.S.C. 119/365 of any foreign app for patent or inventor's certificate havidate of this application: Country	the patentability of this lication(s) for patent or	application in accordance wit inventor's certificate listed
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	claim the benefit under tion Number	35 U.S.C. §119(e) of any Un	ited States provisional application(s) li Date/Month/Year Filed	sted below.	
subject r U.S.C. 1	natter of each of the cla 12, I acknowledge the	ims of this application is not	r United States and PCT international disclosed in such prior applications in mation as defined in 37 C.F.R. 1.56 w of this application:	the manner provided b hich occurred between	y the first paragraph of 35 the filing date of the prior
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be true; imprison applicati 8 th Floor attorney	and further that these s iment, or both, under Si on or any patent issue, r, Arlington, VA 22201 s thereof (of the same a atent and Trademark Of , 30184; Robert W. Fari C. Spooner, 27393; Lec	tatements were made with the ction 1001 of Title 18 of the lithereon. And on behalf of the 4714, telephone number (7 ddress) individually and collefice connected therewith and s, 31352; Richard G. Besha, anard C. Mitchard, 29009; Du	knowledge are true and that all states a knowledge that willful false statemer United States Code and that such willful e owner(s) hereof, I hereby appoint N 03) 816-4000 (to whom all communicatively owner's/owners' attorneys to p with the resulting patent: Larry S. Nix 22770; Mark E. Nusbaum, 32348; Micane M. Byers, 33363; Jeffry H. Nelsor	nts and the like so mad ul false statements ma IXON & VANDERHYE cations are to be dire rosecute this application, 25640; Arthur R. C hael J. Keenan, 32106 a, 30481; John R. Laste	le are punishable by fine or y jeopardize the validity of the P.C., 1100 North Glebe Rd. ected), and the following on and to transact all business trawford, 25327; James T.; Bryan H. Davidson, 30251; ova, 33149; H. Warren Burnar
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Hosmer, Stanley Jr. 2936 34776; U 35329; J names/r other org	Jpdeep S. Gill, 37334; I Joseph A. Rhoa, 37515 numbers no longer with ganization sending instr Inventor's Signature: Inventor: Residence: (city)	Michael J. Shea, 34725; Dona Raymond Y. Mah, 41426; C the firm and to act and rely so uctions to Nixon & Vanderhyo Yu-Chung (first)	ald L. Jackson, 41090; Michelle N. Les nris Comuntzis, 31097. I also authoriz blely on instructions directly communic e on behalf of the owner(s). C. MI (state/country	ter, 32331; Frank P. P. et Nixon & Vanderhye eated from the person, Date: LIAO (last)	resta, 19828; Joseph S. Pres to delete any attorney assignee, attorney, firm, or USA
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Hosmer, Stanley Jr. 2936 34776; U 35329; J names/r other org	Jpdeep S. Gill, 37334; I Joseph A. Rhoa, 37515 numbers no longer with ganization sending instr Inventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature:	Michael J. Shea, 34725; Dona Raymond Y. Mah, 41426; C the firm and to act and rely so uctions to Nixon & Vanderhyd Yu-Chung (first) Austin 10707 Lochness Cove, A 78750	ald L. Jackson, 41090; Michelle N. Les nris Comuntzis, 31097. I also authoriz olely on instructions directly communic e on behalf of the owner(s). C. MI (state/country	ter, 32331; Frank P. P. Pe Nixon & Vanderhye ated from the person, Date: LIAO (last) y) Texas Date: ANDON (last)	resta, 19828; Joseph S. Presto delete any attorney assignee, attorney, firm, or USA (citizenship)
Hosmer, Stanley Jr. 2936 34776; U 35329; J names/r other org	Jpdeep S. Gill, 37334; I Joseph A. Rhoa, 37515 numbers no longer with ganization sending instr Inventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor:	Michael J. Shea, 34725; Dona Raymond Y. Mah, 41426; C the firm and to act and rely so uctions to Nixon & Vanderhyd Yu-Chung (first) Austin 10707 Lochness Cove, A 78750	ald L. Jackson, 41090; Michelle N. Les nris Comuntzis, 31097. I also authoriz olely on instructions directly communic on behalf of the owner(s). C. MI (state/country austin, Texas A. S MI (state/country	ter, 32331; Frank P. P. Pe Nixon & Vanderhye ated from the person, Date: LIAO (last) y) Texas Date: ANDON (last)	resta, 19828; Joseph S. Presto delete any attorney assignee, attorney, firm, or USA (citizenship)

•--- 725-870 Serial No. 09/545,182 Nixon & Vanderhye P.C. (10/99 omestic Non-Assigned/Foreign)
Page 2

3.	Inventor's Signature:	•	_	Dat	te:
	Inventor:	Howard		CHENG	USA
		` (first)	MI	· (last)	(citizenship)
	Residence: (city)	Sammamish		(state/country) Washington	
	Post Office Address:	2005 212th. PL NE, Redm	ond, Washington		
	(Zip Code)	98053		. ,	
				1 1 1 1	4///
4.	Inventor's Signature:			Dat	te: <u>4/13/0/</u>
	Inventor:	Timothy/	J	VAN HOOK	USA
		(first)	MI	(last)	(citizenship)
	Residence: (city)	Atherton		(state/country) _California	
	Post Office Address:	224 Oak Grove Ave., Athe	rton, California		
	(Zip Code)	94027			
5.	Inventor's Signature:			Dat	te:
	Inventor:				
		(first)	MI	(last)	(citizenship)
	Residence: (city)			(state/country)	
	Post Office Address:	1 1			
	(Zip Code)				
6.	Inventor's Signature:			Dat	·a·
6 .	Inventor:				
	mventor.	(first)	МІ	(last)	(citizenship)
	Residence: (city)			(state/country)	
	Post Office Address:	1 1		<u> </u>	
	(Zip Code)				
	, , ,				



IN THE UNITED STATES PASENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

Atty. Ref.:

723-840

Serial No.

09/545,182

Group Art Unit:

Filed:

April 7, 2000

Examiner:

For:

A METHOD AND APPARATUS FOR OBTAINING A SCALAR

VALVE DIRECTLY FROM A VECTOR REGISTRAR

* * * * * * * * *

Assistant Commissioner for Patents Washington, DC 20231

RECEIVED

FEB 2 6 2002

Sir:

Technology Center 2100

CONSENT

Nintendo Technology Development Inc., does hereby give consent to the addition of Tim Van Hook as an inventor on the U.S. patent application number 09/545,182.

Nintendo Technology Development Inc. received assignment from inventor Howard Cheng.

Data

John Bauer, Treasurer

Mintendo Technology Development Inc.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

Serial No.

09/545,182

Filed:

April 7, 2000

Atty. Ref.:

723-840

Group Art Unit:

Examiner:

For:

A METHOD AND APPARATUS FOR OBTAINING A SCALAR

VALVE DIRECTLY FROM A VECTOR REGISTRAR

Assistant Commissioner for Patents Washington, DC 20231

Sir:

RECEIVED

FEB 2 6 2002

Technology Center 2100

CONSENT

International Business Machines Corporation does hereby give consent to the addition of Tim Van Hook as an inventor on the U.S. patent application number 09/545,182.

International Business Machines Corporation received assignment from inventors Yu-Chung Liao and Peter Sandon.

International Business Machines Corporation

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

09/545,182

Atty. Ref.:

723-840

Serial No.

Group Art Unit:

Filed:

April 7, 2000

Examiner:

For:

A METHOD AND APPARATUS FOR OBTAINING A SCALAR

VALUE DIRECTLY FROM A

Assistant Commissioner for Patents Washington, DC 20231

RECEIVED

FEB 2 6 2002

Sir:

Technology Center 2100

INVENTOR STATEMENT

Tim Van Hook, as the person being added as an inventor, does hereby declare that the error in inventorship occurred without deceptive intention on his part in the filing of U.S. patent application number 09/545,182.

Tim Van Hook

Inventor

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

Serial No. 09/545,182

Filed:

For:

April 7, 2000

SCALAR VALUE DIRECTLY FROM A VECTOR

A METHOD AND APPARATUS FOR OBTAINING A

REGISTER

Assistant Commissioner for Patents Washington, DC 20231

Sir:

Atty. Ref.:

723-840

Group Art Unit:

Examiner:

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CONSENT

Nintendo Co., Ltd., does hereby give consent to the addition of Tim Van Hook as an inventor on the U.S. patent application number 09/545,182.

Nintendo Co., Ltd. received assignment from Nintendo Technology Development Inc.

Date: May 14, 2001

Nintendo Zo., Ltd.